



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/741,578	12/19/2000	Hiroshi Oshigiri	P/2617-17	5926

32172 7590 09/29/2003

DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP  
1177 AVENUE OF THE AMERICAS (6TH AVENUE)  
41 ST FL.  
NEW YORK, NY 10036-2714

EXAMINER

LEE, JOHN J

ART UNIT	PAPER NUMBER
----------	--------------

2684

DATE MAILED: 09/29/2003

8

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/741,578

Applicant(s)

OSHIGIRI, HIROSHI

Examiner

JOHN J LEE

Art Unit

2684

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 19 December 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 19 is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

### Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 5-7.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. **Claims 1-3, 5, 7-9, 11, and 13-18** are rejected under 35 U.S.C. 102(e) as being anticipated by Uchida et al. (US Patent number 6,590,878).

Regarding **claims 1 and 7**, Uchida discloses that a wireless local loop access network system (Fig. 1). Uchida teaches that at least one base station (BS1, 2 in Fig. 1) making radio communication (Fig. 1) with a plurality of subscriber's terminals (MS, WS in Fig. 1) (Fig. 1 and column 10, lines 45 – 67). Uchida teaches that a base station controller (MSC in Fig. 1) controlling said base station and connected to a public switched telephone network (6 in Fig. 1) (Fig. 1 and column 10, lines 45 – 67). Uchida also teaches that a memory (67 in Fig. 4) designed readable by said base station controller (5 in Fig. 4) for storing subscriber data therein (Fig. 23, 24 and column 12, lines 4 – 26).

Regarding **claims 2 and 8**, Uchida discloses that the memory stores a first identifier used for identifying a subscriber in an interface protocol between said wireless local loop access network system and said public switched telephone network (column 2, lines 46 – column 3, lines 30 and Fig. 1, 4). Uchida also discloses that a second identifier used for identifying a subscriber in an radio-signal interface protocol in said wireless

local loop access network system, and data about correspondence between said first and second identifiers (column 3, lines 42 – column 4, lines 16 and Fig. 1, 4).

Regarding **claims 3 and 9**, Uchida discloses that the memory (67 in Fig. 4) stores at least one of first data about a location of each of subscribers (zone number of mobile station in Fig. 25), second data about certification of each of subscribers (subscriber number in Fig. 25), third data about status of a terminal of each of subscribers (see Fig. 25), and fourth data about service relating to a radio interface of each of subscribers (transmission type in Fig. 25) (column 13, lines 17 – column 14, lines 53 and Fig. 26, 27).

Regarding **claims 5 and 11**, Uchida discloses that the data includes data about whether a subscriber's terminal is turned on or off (Fig. 25, 27 and column 13, lines 17 – column 14, lines 53).

Regarding **claim 13**, Uchida discloses all the limitation, as discussed in claim 1.

Furthermore, Uchida further teaches that storing data about subscribers (Fig. 23, 24) in said memory (67 in Fig. 4) (column 12, lines 4 – 26). Uchida teaches that transmitting an origination message to said base station controller (MSC in Fig.1) through said base station (BS in Fig.1), when a subscriber hooks terminal off (Fig. 1 and column 10, lines 45 – column 11, lines 22). Uchida teaches that making access to said data stored (Fig. 23, 24) in said memory (67 in Fig. 4) to obtain an address based on said origination message (column 12, lines 4 – 48), said this step being carried out by said base station controller (MSC in Fig. 1) (Fig. 4 and column 12, lines 4 – 48). Uchida also

teaches that transmitting a first message together with said address to said public switched telephone network (6 in Fig. 4) (column 12, lines 4 – 65).

Regarding **claim 14**, Uchida discloses that the origination message includes a first identifier for identifying a subscriber (Fig. 4 and column 12, lines 4 – 48).

Regarding **claim 15**, Uchida discloses all the limitation, as discussed in claims 1 and 13. Furthermore, Uchida further teaches that transmitting s registration message to said base station controller (MSC in Fig. 1) through said base station (BS in Fig. 1) when a subscriber's terminal (MS, WS, in Fig. 1) as powered on (column 2, lines 46 – column 3, lines 30). Uchida teaches that the base station controller (MSC in Fig. 1), on receipt of said registration message, recognizing that a subscriber's terminal identified (see Fig. 23, 24) by said registration message is located in an area (see Fig. 23, 24) wherein said subscriber's terminal makes communication with said base station (BS in Fig. 1) (column 2, lines 46 – column 3, lines 30). Uchida also teaches that the base station controller storing a location of said subscriber's terminal (Fig. 23, 24) in the memory (67 in Fig. 4) (Fig. 4 and column 12, lines 4 – 48).

Regarding **claim 16**, Uchida discloses that storing the fact that said subscriber's terminal is power on, in said memory, said being carried out by said base station controller (Fig. 1, 4 and column 2, lines 46 – column 3, lines 30).

Regarding **claim 17**, Uchida discloses that wherein the registration message includes a first identifier for identifying a subscriber (Fig. 1 and column 2, lines 46 – column 3, lines 30).

Regarding **claim 18**, Uchida discloses all the limitation, as discussed in claims 13 and 15. Furthermore, Uchida further teaches that the public switched telephone network (6 in Fig. 1) transmitting a first signal to said base station controller (MSC in Fig. 1) when said public switched telephone network (6 in Fig. 1) receives a phone call (communication connection) to a subscriber (Fig. 4 and column 12, lines 4 – 48). Uchida teaches that the base station controller (MSC in Fig. 1) making access to said memory (67 in Fig. 4) to obtain a first identifier (Fig. 1) for identifying said subscriber (Fig. 25), based on said first signal (column 2, lines 46 – column 3, lines 30 and column 12, lines 4 – 48). Uchida teaches that the base station controller (MSC in Fig. 1) transmitting a page message (communication channel) to said base station (BS in Fig. 1), said page message indicating that a phone call (communication connection) to said subscriber has been received and including said first identifier (column 2, lines 46 – column 3, lines 30 and Fig. 1, 4). Uchida teaches that the base station (BS in Fig. 1), on receipt of said page message, broadcasting said page message there around (column 4, lines 45 – column 5, lines 21 and Fig. 11, 15). Uchida also teaches that a terminal of said subscriber (MS in Fig. 11, 15) recognizing a phone call to itself by knowing that said first identifier, which is an identifier of said terminal (Fig. 25), is contained in the thus broadcast page message (column 15, lines 19 – column 16, lines 29).

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. **Claims 4, 6, 10, and 12** are rejected under 35 U.S.C. 103(a) as being unpatentable over Uchida in view of Bilgic et al. (US Patent number 5,884,148).

Regarding **claims 4 and 10**, Uchida does not disclose the limitation “the data includes data about whether a subscriber’s terminal is blockaded”. However, Bilgic discloses the limitation “the data includes data about whether a subscriber’s terminal is blockaded (disconnect message)” (column 16, lines 7 – 34 and Fig. 8, where Bilgic teaches disconnect message is transmitted from the network switch). It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the Uchida system as taught by Bilgic. The motivation does so would be to improve a communication connection service for users in wireless communication system.

Regarding **claims 6 and 12**, Uchida does not disclose the limitation “the data includes data about whether a subscriber’s voice should be kept secret”. However, Bilgic discloses the limitation “the data includes data about whether a subscriber’s voice should be kept secret (establishes a wireless communication link over an emergency call channel)” (abstract and column 2, lines 40 – column 3, lines 21). It would have been obvious to one having ordinary skill in the art at the time the invention was made to

Art Unit: 2684

modify the Uchida system as taught by Bilgic. The motivation does so would be to achieve a secure wireless communication connection service for users in wireless communication system.

*Allowable Subject Matter*

5. Claim 19 is allowed.

Claim 19 is allowable over the prior art of record because a search does not detect the combined claimed elements as set forth in the claim 19.

As recited in independent claim 19, none of the prior art of record teaches or fairly suggests that a wireless local loop access network system includes the public switched telephone network transmitting a port control signal to the base station controller, said port control signal indicating that a certain subscriber is to be blockaded, and indicating an identifier for identifying said certain subscriber and the base station controller storing that certain subscriber is to be blockaded in the memory and access to memory and knowing the blockaded subscriber and then transmitting to base station for interrupting phone call, and together with combination of other element as set forth in the claim 19. Therefore, claim 19 is allowable over the prior art of records.

Art Unit: 2684

***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Pentikainen et al. (US Patent number 6,185,412) discloses Procedure and System for Ensuring Emergency Communication in a Wireless Local Loop Environment.

Shin et al. (US Patent number 6,424,835) discloses Method for Controlling Call in Communication System or Terminal.

Shin et al. (US Patent number 6,424,835) discloses Wireless Local Loop System Enabling Fax Service and Method of Performing Fax Data Service.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

or faxed to:

(703) 308-9051, (for formal communications intended for entry)

Or:

(703) 308-6606 (for informal or draft communications, please label  
"PROPOSED" or "DRAFT").

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **John J. Lee** whose telephone number is **(703) 306-5936**. He can normally be reached Monday-Thursday and alternate Fridays from 8:30am-5:00 pm. If attempts to reach the examiner are unsuccessful, the examiner's supervisor, **Nay Aung Maung**, can be reached on **(703) 308-7745**. Any inquiry of a general nature or

Art Unit: 2684

relating to the status of this application should be directed to the Group receptionist  
whose telephone number is (703) 305-4700.

J.L

September 8, 2003

John J Lee

A handwritten signature in black ink, appearing to read "John J. Lee", with a long horizontal flourish extending to the right.